

CHILDHOOD IMMUNIZATION: A HEALTHCARE PRIORITY

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CHILDHOOD IMMUNIZATION: ONE OF MODERN MEDICINE'S GREAT SUCCESS STORIES

Comparison of 20th Century Annual Morbidity and Current Morbidity: Vaccine-Preventable Diseases

Disease	20th Century Annual Morbidity [†]	2017 Reported Cases ^{††}	Percent Decrease
Smallpox	29,005	0	100%
Diphtheria	21,053	0	100%
Measles	530,217	122	> 99%
Mumps	162,344	5,629	97%
Pertussis	200,752	15,808	92%
Polio (paralytic)	16,316	0	100%
Rubella	47,745	9	> 99%
Congenital Rubella Syndrome	152	2	99%
Tetanus	580	31	95%
<i>Haemophilus influenzae</i>	20,000	22*	> 99%

[†] JAMA. 2007;298(18):2155-2163

^{††} CDC. *National Notifiable Diseases Surveillance System, Week 52, 2017 Weekly Tables of Infectious Disease Data*. Atlanta, GA. CDC Division of Health Informatics and Surveillance, 2018. Available at: www.cdc.gov/nndss/infectious-tables.html. Accessed on January 4, 2018.

* *Haemophilus influenzae* type b (Hib) < 5 years of age. An additional 11 cases of Hib are estimated to have occurred among the 237 notifications of Hi (< 5 years of age) with unknown serotype.

National Center for Immunization & Respiratory Diseases

Historical Comparisons of Vaccine-Preventable Disease Morbidity in the U.S.

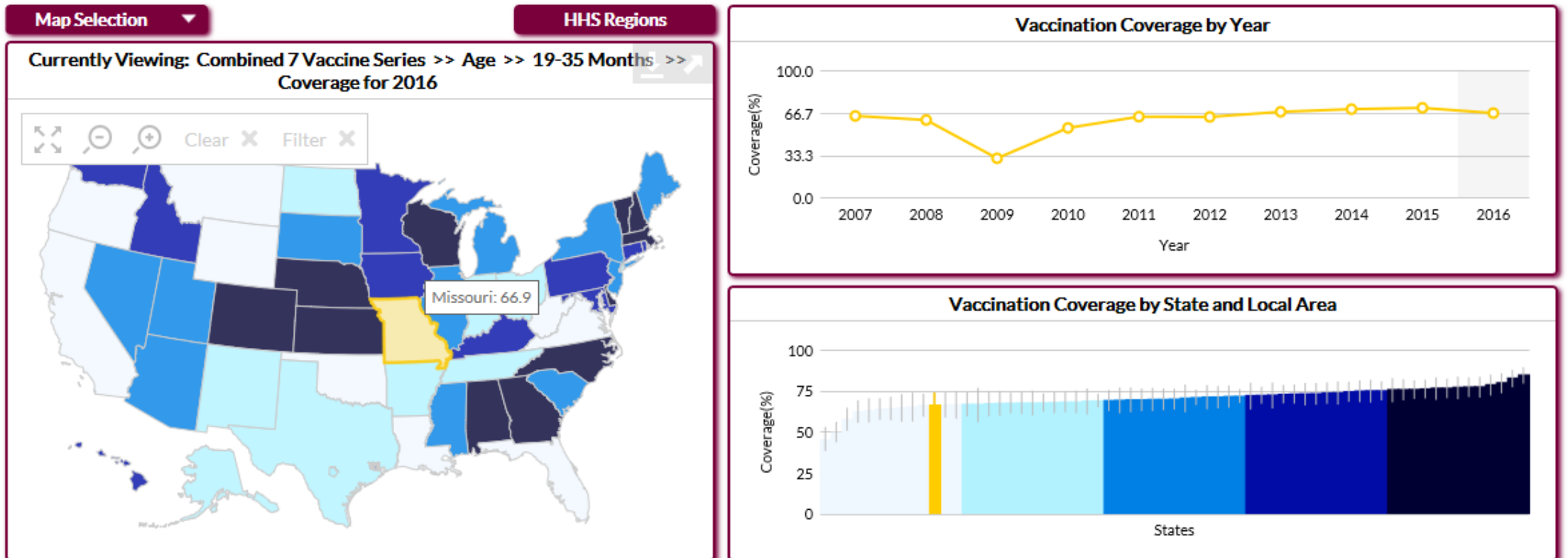
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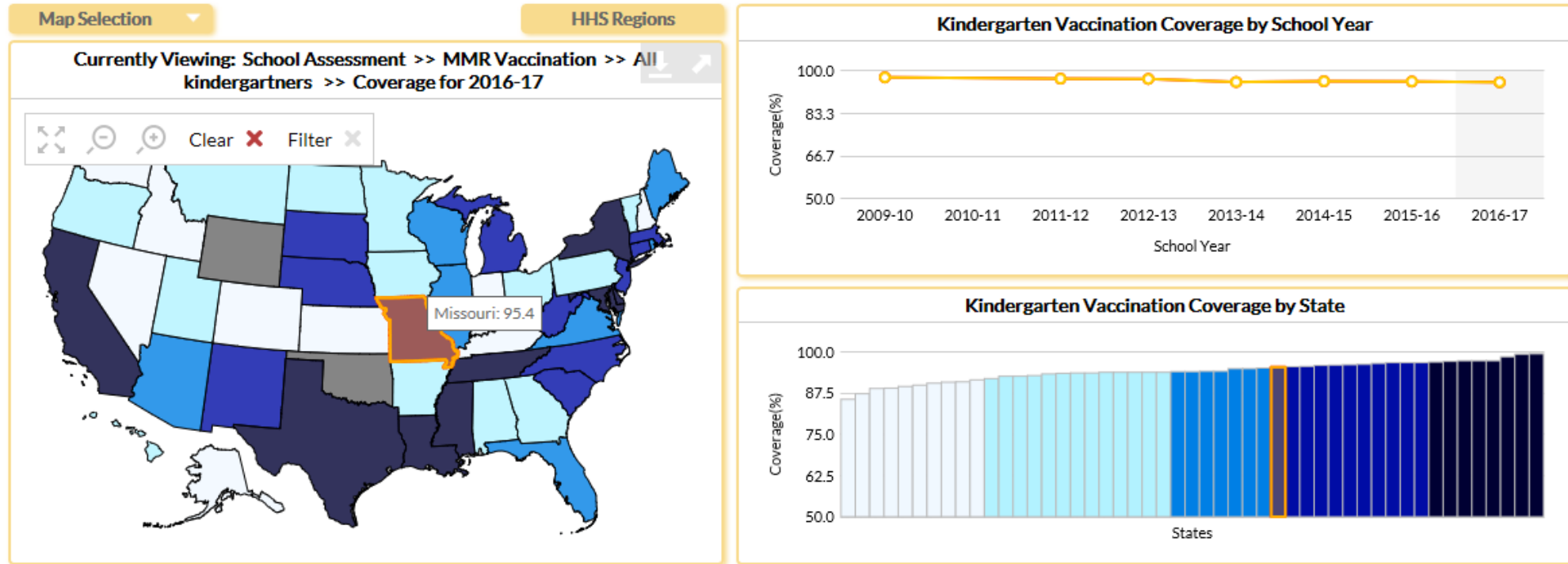
SO WHY IS THERE A NEED TO TALK
ABOUT VACCINES?

Combined 7-vaccine Series coverage among children 19-35 months by State, HHS Region, and the United States, National Immunization Survey-Child (NIS-Child), 2002 through 2016



7 VACCINE SERIES (4 DTAP, 3 IPV, 1 MMR, FULL HIB SERIES, 1 VARICELLA, 4 PCV)
DOES NOT INCLUDE HEP A OR ROTAVIRUS
SURVEY ONLY INCLUDES THOSE CHILDREN WHO HAVE A PCP

Estimated vaccination coverage among children enrolled in kindergarten by State and the United States, School Vaccination Assessment Program, 2009-10 through 2016-17 school years



SLOW BUT STEADY DECLINE (97.3%
2009-10 TO 95.4% 2016-17)

HEALTH & FITNESS

Will measles be back? Vaccine exemption study says KC is a 'hotspot' for disease



BY ANDY MARSO
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Health

Measles cases hit record high in Europe

20 August 2018

f t e Share



Measles is a highly infectious viral illness that can be deadly

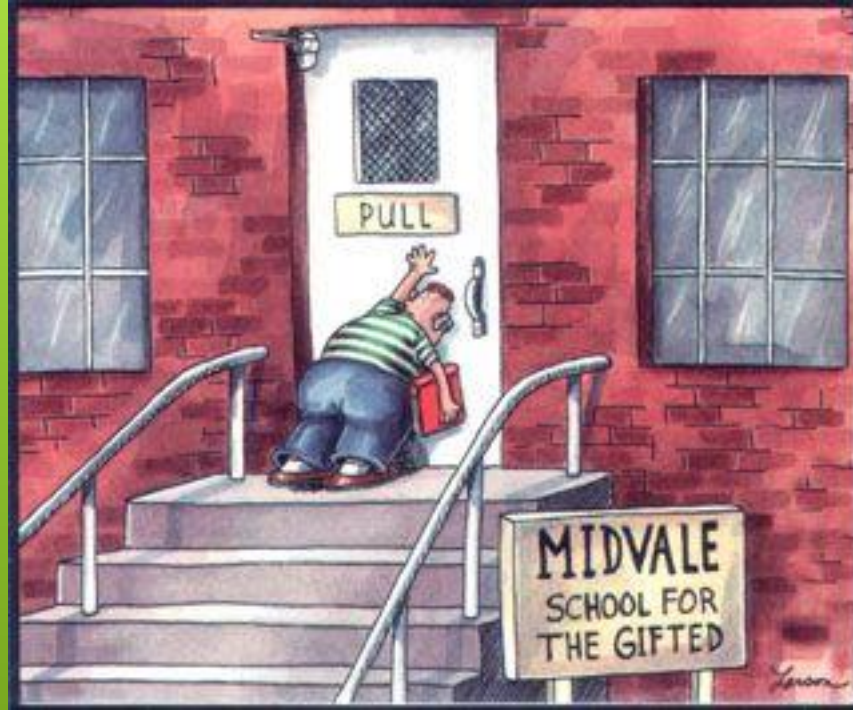
Cases of measles in Europe have hit a record high, according to the World Health Organization (WHO).

More than 41,000 people have been infected in the first six months of 2018, leading to 37 deaths.

Last year there were 23,927 cases and the year before 5,273. Experts blame this surge in infections on a drop in the number of people being vaccinated.

THE COST OF VACCINE PREVENTABLE ILLNESS





WHAT ARE THE BARRIERS TO
CHILDHOOD IMMUNIZATION?

BARRIERS TO IMMUNIZATION: RECORDS

- Show Me Vax database: useful, but not updated by all
 - Especially important for children in foster care
- How can we improve the percentage of records kept in show me vax given that some locations may not have electronic medical records or lack the I/T resources to upload them?

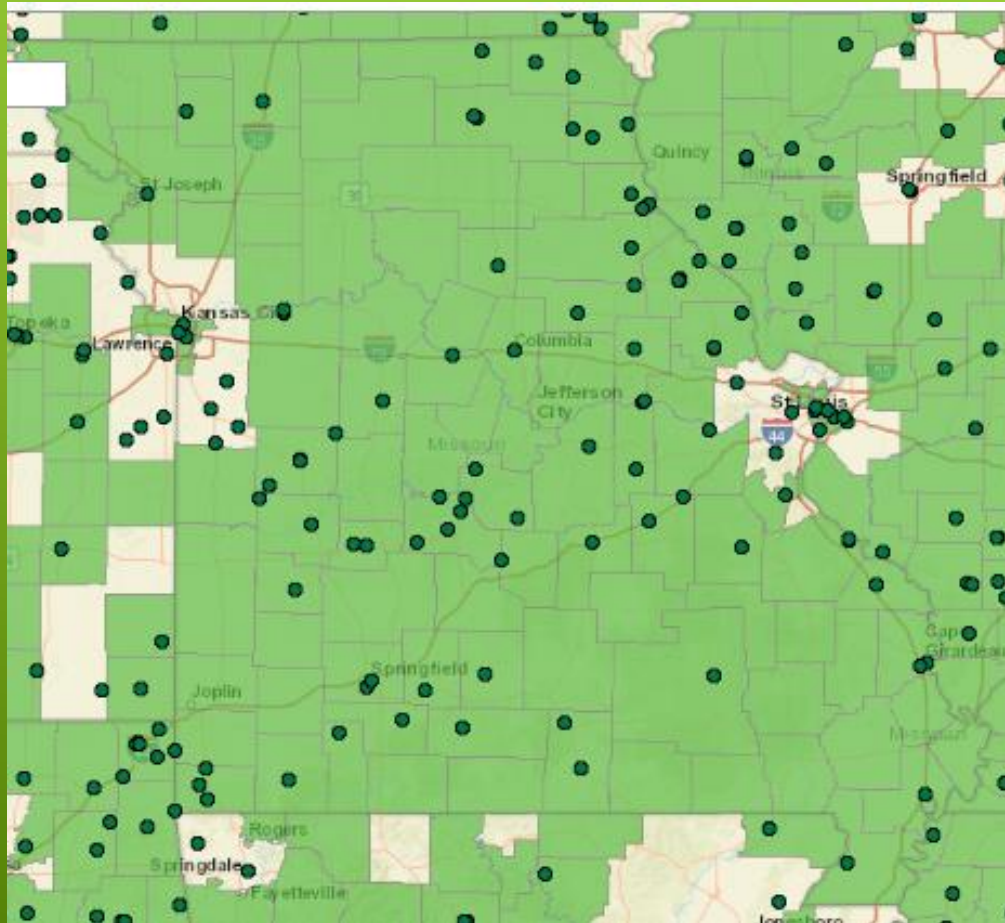


BARRIERS TO IMMUNIZATION: ACCESS

- Medical Clinics that offer vaccines are not located in many parts of the state
- Bringing children in for their vaccines may require taking time off of work which can be difficult for families scraping by
- The more easily accessible vaccines are, the less barriers there are to immunization



BARRIERS TO IMMUNIZATION: ACCESS



Green = Health Provider
Shortage Areas for primary care

<https://datawarehouse.hrsa.gov/Tools/MapTool.aspx?tl=HPSA>=State&cd=29&dp=PC>

BARRIERS TO IMMUNIZATION: INFORMATION (AND MISINFORMATION)



VS

Love them. Protect them.
Never inject them.
There are NO safe vaccines!

- Shaken Baby Syndrome
- Chronic Ear Infections
- Death
- SIDS
- Seizures
- ADD
- Allergies
- Asthma
- Autism
- Diabetes
- Menigitis

and polio are caused by adverse reactions to vaccine poisons.

Go to: VaccineTruth.com
or call Vaccination Liberation: 1-888-249-1421

This image is a flyer with a yellow background. It features a list of health conditions on the left and a photograph of four diverse babies on the right. The text is bold and black, with the phrase 'Never inject them.' underlined in red. The bottom section has a blue background with white text providing a website and a phone number.

BARRIERS TO IMMUNIZATION: INFORMATION (AND MISINFORMATION)

- Why people choose not to vaccinate (all real examples from my office)
 - Vaccines cause autism
 - I don't want to overwhelm my child's immune system
 - It's too traumatic to give them so many at once
 - I don't want to fill my child's body with toxins
 - It would be better for my child to develop natural immunity
 - I heard about a woman who got a flu shot and then could only walk backwards
 - I don't want my child to be implanted with one of President Obama's GPS tracking devices
 - Vaccines and GMO crops are part of a global conspiracy led by Bill Gates to sterilize children in order to reduce the global population by 1/3

BARRIERS TO IMMUNIZATION: INFORMATION (AND MISINFORMATION)

- Health care providers have a responsibility to provide the facts regarding childhood immunization
- Facts aren't necessarily always a good antidote to fear
 - Combating tribalism = what do we have in common?
 - Recognize that all parents are acting out of what they feel is best for their child
- Remember you may not change every mind the first time, but you may be laying the foundation to help change minds in the future



VACCINE HESITANCY FROM MY VIEWPOINT – ASK IF THE PARENTS WERE VACCINATED THEMSELVES



USE THE SANDWICH TECHNIQUE

- Say something they can agree with
- Make your point
- Say something they can agree with



TALK ABOUT UNINTENDED CONSEQUENCES – LIMITS ON THINGS THEIR CHILD WILL NOT BE ABLE TO DO. AS A PARENTS, PLACING LIMITS ON YOUR CHILD IS PROBABLY NOT WHAT THEY ARE WANTING TO DO.

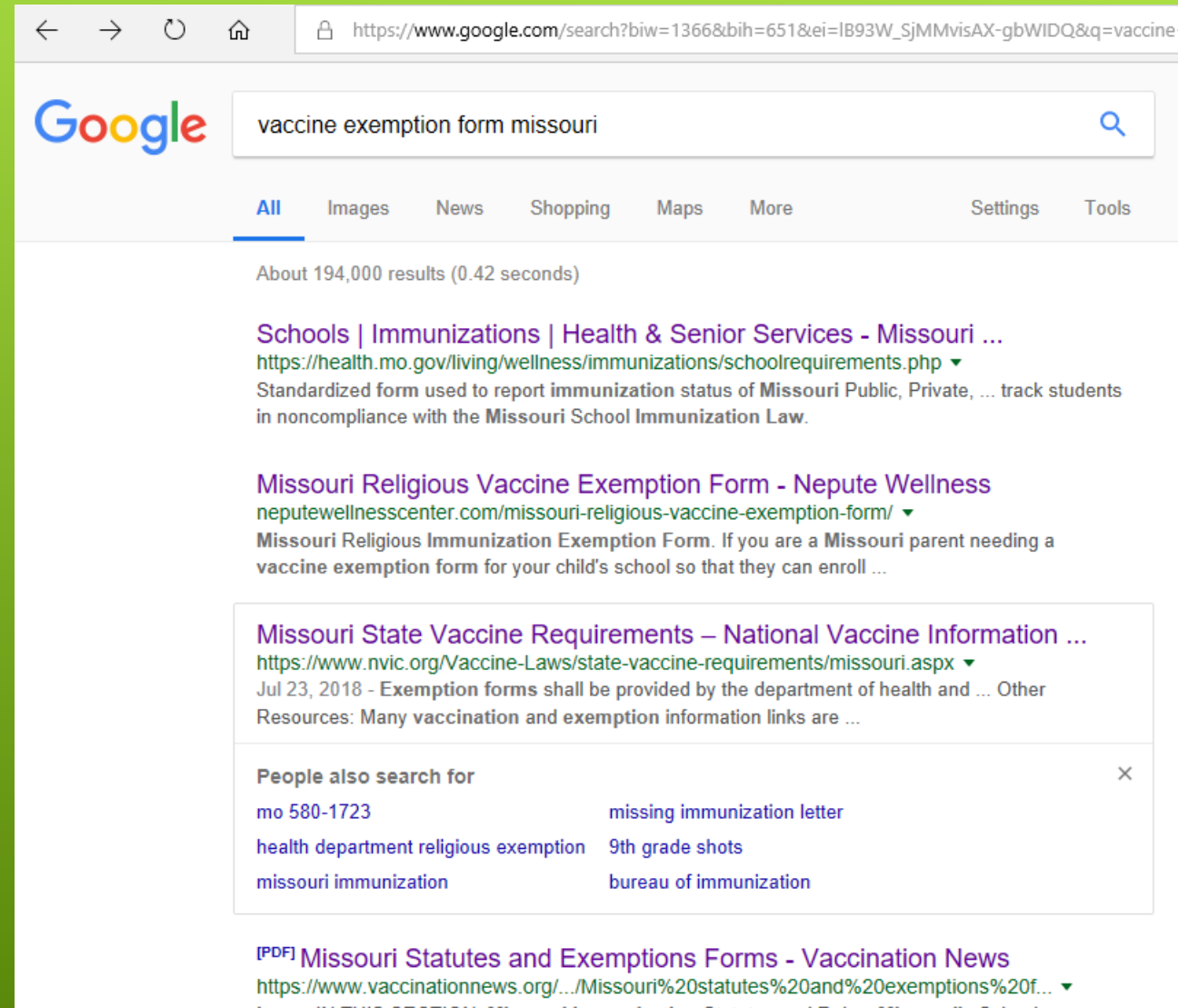
- No foreign travel – lots of these diseases still circulating and vaccines in other countries not as dependable due to refrigeration/delivery challenges
- Long list of jobs that will either be unlikely or will have to have lots of shots as a teen – teens hate vaccines
- Unlikely to be in a medical field, the military, any public servant job including public school teachers
- No High Adventure Scout Camp
- No exposure to folks from foreign countries who might not have been immunized – even Disneyland is risky!!

- **Alternative Schedules May Make Families Feel Better**
- **Pick one vaccine for starters – I use Hib but Pneumococcal is a good one too.**
- **No negatives – only positives even on the internet.**
- **People want to prevent pneumonia and ear infections**

**PICK YOUR BATTLES AND HAVE CONTINUITY -
I RESPECTFULLY ASK YOU TO RECONSIDER - WE WILL TALK
ABOUT THIS AGAIN AT YOUR NEXT VISIT**

BARRIERS TO IMMUNIZATION: VACCINE EXEMPTIONS

- Making it harder to obtain exemptions increases immunization rates
 - Elimination of nonmedical exemptions has significantly increased immunization rates in California
- Current form in Missouri is easily downloadable off of the internet



BARRIERS TO IMMUNIZATION: VACCINE EXEMPTIONS

- Most parents choose to immunize their children and want them protected from vaccine preventable illness
- Many parents are not aware of the fact that their children go to school side by side with children who are unimmunized
 - Is this fair?
 - Low herd immunity puts all children at risk



REFERENCES:

- ▶ <https://www.cdc.gov/vaccines/vaxview/index.html>
- ▶ <https://health.mo.gov/living/wellness/immunizations/reports.php>
- ▶ <https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/immunizations/Pages/Policy-and-Advocacy.aspx>
- ▶ Missouri Chapter of the American Academy of Pediatrics:
<https://missouriaap.org/>